

» FS-8712 «



FS-8712 Rugged Chassis 12-slot 8U VME

- » COTS/NDI
- » 8U VME card cages with 12-slots monolithic backplane
- » Tested to meet shock & vibration requirements of RTCA/DO-160C
- » 600 Watts PFC power supply standard; other values can be specified
- » Cooling can be custom configured: front to rear, front to side or side to side

FS-8712

12-slot 8U VME Rugged chassis

The Kontron FS-8712 option is a ruggedized 12-slot, 8U enclosure.

The FS-8712 was designed to meet MIL-STD-810E, shock and vibration specifications for severe environments, as well as MIL-STD-461C for EMI specifications.

A hinged front door provides front loading access to the VME PCBs. An optional security interlock can be provided on the front door and all other panels are then non-removable without first opening the front panel. The rear I/O panel can be custom configured for the intended application.

Cooling is front to rear as standard, and can be optionally configured for front to side or side to side. Thermal monitoring and control are available as an option.

The enclosure comes in a rack-mount configuration and can be provided with or without internal shock-mounts and EMI hardware.

Technical Information

Physical Dimensions

Height	14" (8U)
Depth	20"
Width	19"
Weight	60lbs. (typical)

Mechanical

.090" Seam Welded Aluminum Alloy
Chem-filmed per MIL-C-5541, Class 3
All fastener hardware is stainless steel
Hinged front door with access to VME PCBs
Blank Rear I/O panel: 8.50" x 15.75"

VME Bus Backplane

12-slots total, monolithic J1/J2 (J0 optional)
6U x 160mm

Electrical

AC input: 115 or 220 VAC, 47-440 Hz
AC draw: 12 Amp maximum
MIL circular power connector
+5, +12, -12V outputs on DC power supply
MIL-STD-461 E
AC input EMI filter
Teflon wiring standard. Teflon or other by custom option

Shock & Vibration

MIL-STD-810E
MIL-STD-901D Lightweight hammer

Front Panel

SYSRESET, SYSFAIL, +5V, +12V, -12V LED
Reset Switch
Power Switch/Circuit Breaker
Custom panel layout

Custom Options

Paint & silk screening to customer spec
Internal I/O cabling
Multiple backplanes
Power supply ratings
Connectorization of I/O panels
Cooling configuration
Security interlock

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